

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES ADDING AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE FOR SOUTHBOUND MD 223 AND THE UPGRADE OF THE EXISTING VIDEO DETECTION CAMERA SYSTEM AT THE INTERSECTION OF MD 223 AND DOWER HOUSE RD IN PRINCE GEORGE'S COUNTY. MD 223 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION IS TO OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE WILL BE EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR BOTH APPROACHES OF MD 223. MD 223 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY. DOWER HOUSE RD APPROACHES WILL OPERATE AS A "SIDE STREET SPLIT".

CONTACTS

The contact persons for this project are as follows:

Ms. Felecia Murphy (PG)
Assistant District Engineer - Traffic
Phone: (301) 513-7404

Mr. Vernon Stinnett
Assistant District Engineer - Maintenance
Phone: (301) 513-7304

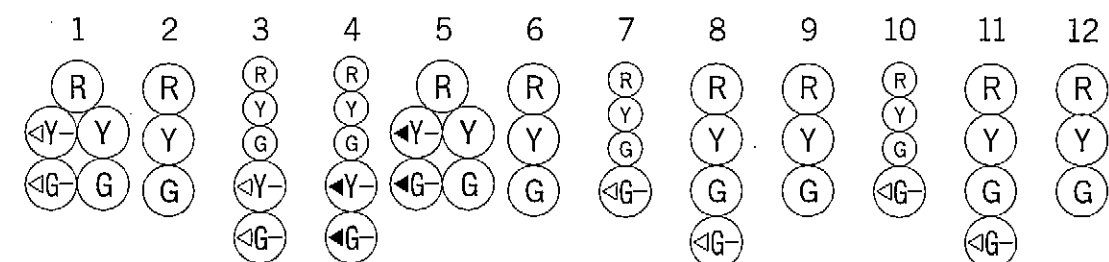
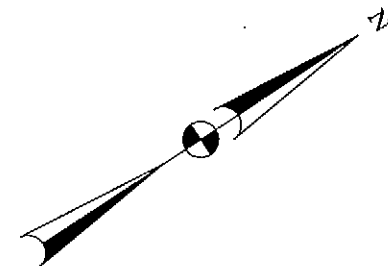
Mr. Victor Grafton
Utility Engineer
Phone: (301) 513-7350

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Supervisor, Signal Operations
Phone: 410-787-7650

Mr. Mike Stacker
Supervisor, Signal Warehouse
Phone: 410-787-7668

PHASE CHART



PHASE 1 AND 5	←GR	R	←GR	←GR	←GR	R	R	R	R	R	R	R	R	
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6														
PHASE 1 AND 6	←GG	G	←GG	R	R	R	R	R	R	R	R	R	R	
1 CHANGE	←YG	G	←YG	R	R	R	R	R	R	R	R	R	R	
PHASE 2 AND 5	R	R	R	←GG	←GG	G	R	R	R	R	R	R	R	
5 CHANGE	R	R	R	←YG	←YG	G	R	R	R	R	R	R	R	
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	R	
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	
PHASE 3	R	R	R	R	R	R	←GG	←GG	G	R	R	R	R	
3 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	R	R	R	
PHASE 4	R	R	R	R	R	R	R	R	R	←GG	←GG	G	G	
4 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	

EQUIPMENT LIST FOR CONTRACT NO. XX4495185

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

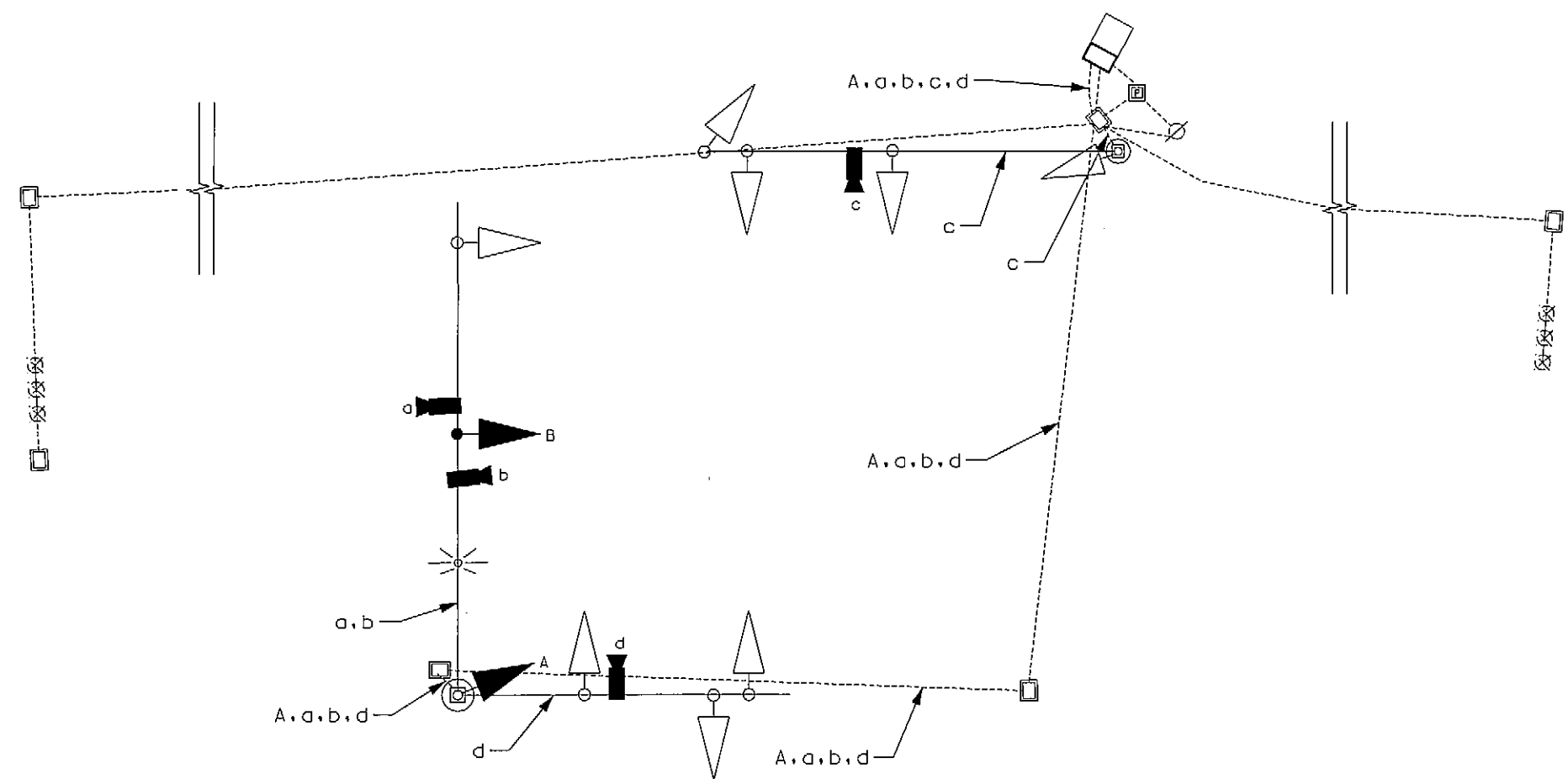
ITEM	QUANTITY	UNIT	DESCRIPTION
9086	1	EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT; I-4 CAMERAS

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
1002	90	LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS, ANY WIDTH
5003	90	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
8001	7	EA	12 INCH (R, Y, G) LED SIGNAL HEAD
8007	3	EA	8 INCH LED SIGNAL (R, Y, G) HEAD SECTION
8016	1	EA	REMOVE & DISPOSE OF EQUIPMENT PER ASSIGNMENT
8047	4	EA	VIDEO DETECTION CAMERA AND CABLE UP TO 500 FT
8058	195	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

WIRING DIAGRAM

MD 223 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION



WIRING KEY

- A } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- B } USE EXISTING 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- a, b, c, d } VIDEO CAMERA CABLE
- + } GROUND ROD

NOTE: ALL OTHER EXISTING WIRING WILL BE UTILIZED.

TOD NO: XX449-54
SHA NO: PG556ASH/B5H
MD 223 @ Dower House Road

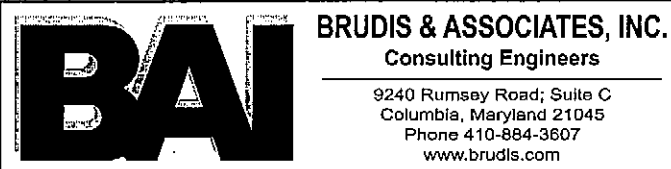


STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 223 (WOODYARD RD) AT DOWER HOUSE RD
UPPER MARLBORO, MD

GENERAL INFORMATION PLAN SHEET

SCALE	NTS	DATE	10/2010	CONTRACT NO.	XX4495185
DESIGNED BY	XM	COUNTY	PRINCE GEORGE'S		
DRAWN BY	XM	LOGMILE	16022310.80		
CHECKED BY	JB	TIMS NO.	J892		
F.A.P. NO.		TOD NO.			
TS NO. 4498A	DRAWING	—	OF	SHEET NO.	2 OF 2



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PLOTTED: Thursday, October 07, 2010 AT 01:34 PM
FILE: P:\09-002 TEDD\Task 42 MD 223 @ Dower House Rd\Drawings\CADD\Working\cG-P000_MD223@DowerHouseRd.dgn